Joint Test & Evaluation Program
JT&E

Overview

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Briefing Content

- **Overview**
- **Process**
- **Review and Approval**
- **Support Structure**
- **Current Projects**
- **Notable Accomplishments**

What is JT&E?
A Unique OSD Program

- **A conduit for warfighters to solve joint operational issues**
- **OSD (DOT&E) manages the program; partnerships with Services and COCOMs critical for executing tests**
- **Provides non-materiel solutions to warfighter issues**
- **Works on process improvements so that fielded equipment is used more effectively in a joint operational environment**
  - **Does not assess weapon system performance**
  - **Not a hardware acquisition program**
- **Test products are:**

Important Definitions

- **Joint:** **JT&E defines joint as two or more Services or a COCOM recognizing the proposed issue as being important to their organizations**
- **Operational Test and Evaluation (OT&E): JT&E uses OT&E techniques to solve issues. We conduct detailed test planning, training, and rehearsal of new procedures to collect statistical data in a joint operational environment and evaluate the relevance of the changes being tested.**
  - **We do not conduct experiments or demonstrations**

Providing Validated Warfighter Solutions

- **JT&E Program's objective is to provide near-term solutions to COCOM problems**
- **Service/COCOM leadership must endorse the issue as being important and provide subject matter experts to the project**
- **Each project addresses a different issue, but all are resolved using operational test and evaluation techniques**
- **Typical products take the form of:**
  - **Joint, Service, COCOM handbooks, CONOPS, and TTPs**
  - **Chapters or sections in doctrine publications**
  - **DOTMLPF Change Recommendations**
  - **Products integrated into ALSA MTTP publications**
  - **Training inputs to joint and Service schools**

Joint Test and Evaluation Program

The Process

How Does the Program Work?

- **Nominations come from the field**
  - Ideally joint operational issues not in someone's assigned lane
  - Subject matter experts are the best presenters
- **Joint board (Flag/SES level) selects projects**
- **DOT&E charters; Services & COCOMs support**
  - DOT&E provides money (contract support, test-unique items)
  - Services & COCOMs provide people, infrastructure, test venue
- **Tailored test team built to solve the problem**
  - Nominator (warfighting sponsor) leads the test team
  - Operational testers populate the test team
  - Operational test rigor built into the test plan (JT&E

Avenues to Conduct Joint Testing

Quick Reaction Test Projects

- **Quickly addresses specific and focused warfighter issue within scope of the JT&E purpose**
- **Accelerated review, approval, execution**
- **Duration: 6-12 months (Nomination-to-Closedown)**
- **Sponsors: COCOMs, Services, OSD**
- **Testers: Executed by Operational Test Agencies**
- **Resources: OSD provides up to $1M for contract support, government travel, and test-unique requirements**

Quick Reaction Tests provide a specific answer to an urgent warfighter need

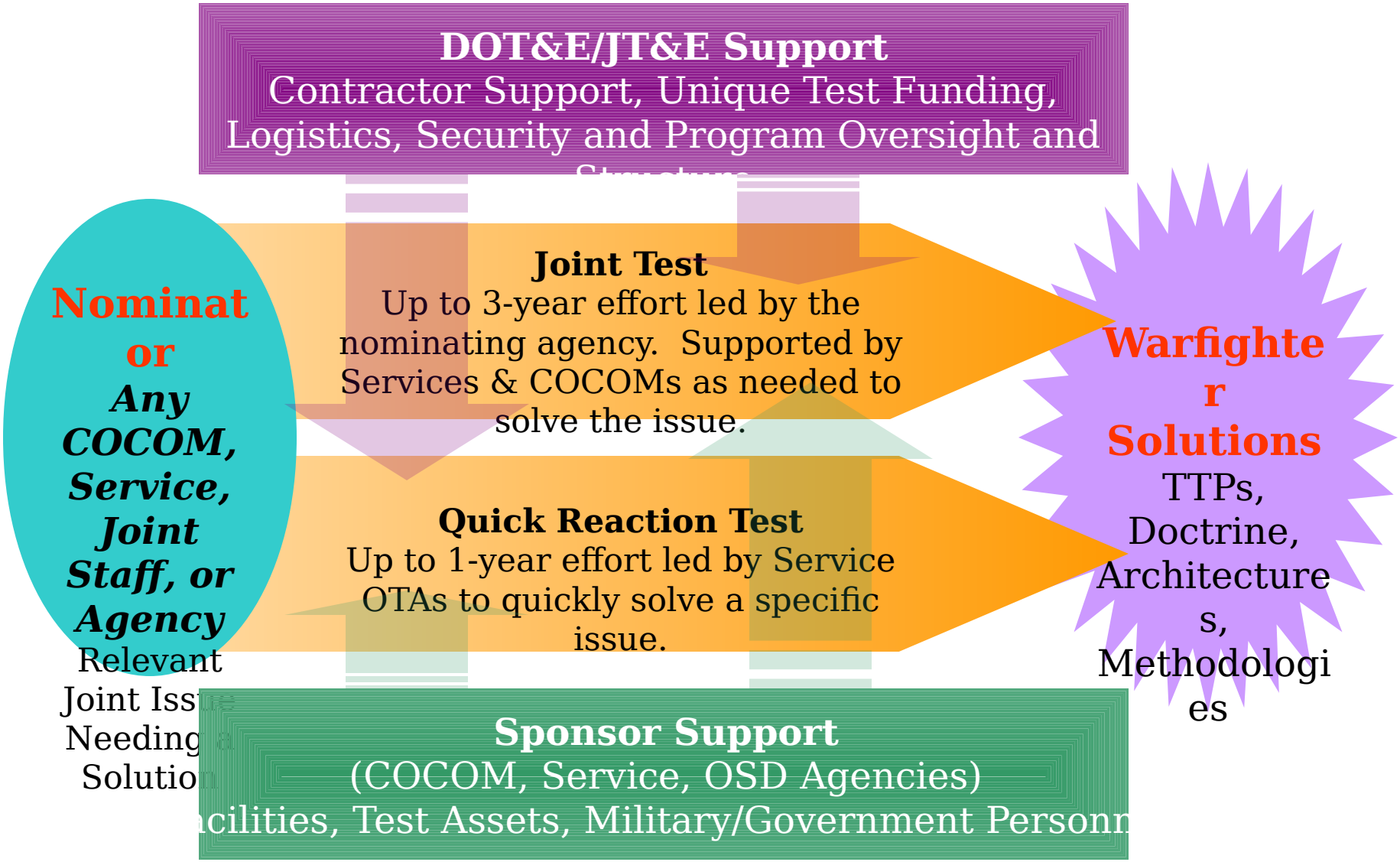
Avenues to Conduct Joint Testing

Joint Test Projects

- **In-depth, methodical evaluation of issues within scope of approved charter**
- **Duration:**
  - **Feasibility Study: 7 months (generally 3 per year, prior to Joint Test charter)**
  - **Joint Test: 3 years maximum (Charter-to-Closedown) (generally 2 new projects chartered annually)**
- **Sponsors: COCOMs, Services, OSD**
- **Testers: Executed by Service/COCOM-led Joint Test teams**
- **Resources:**
  - **Services/COCOMs: Subject matter experts (military/civilian), home station facilities, test assets, senior level mentorship**
  - **DOT&E/JT&E: Funding for contract support, government travel, and test-unique support ($10 -**

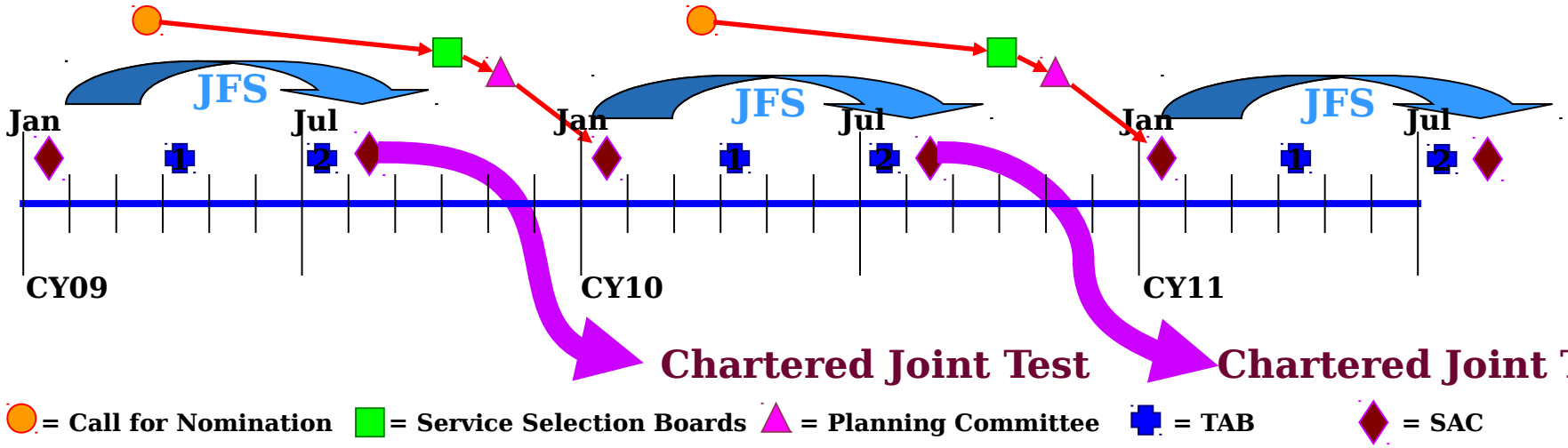
Joint Tests deliver defined and useful products to the warfighter

Joint Test & Evaluation Methodology


DOT&E/JT&E Support
Contractor Support, Unique Test Funding,
Logistics, Security and Program Oversight and
Nominator
Any COCOM, Service, Joint Staff, or Agency
Relevant Joint Issue Needing a Solution
Joint Test
Up to 3-year effort led by the nominating agency. Supported by Services & COCOMs as needed to solve the issue.
Quick Reaction Test
Up to 1-year effort led by Service OTAs to quickly solve a specific issue.
Warfighter Solutions
TTPs, Doctrine, Architectures, Methodologies
Sponsor Support
(COCOM, Service, OSD Agencies)
acilities, Test Assets, Military/Government Personn

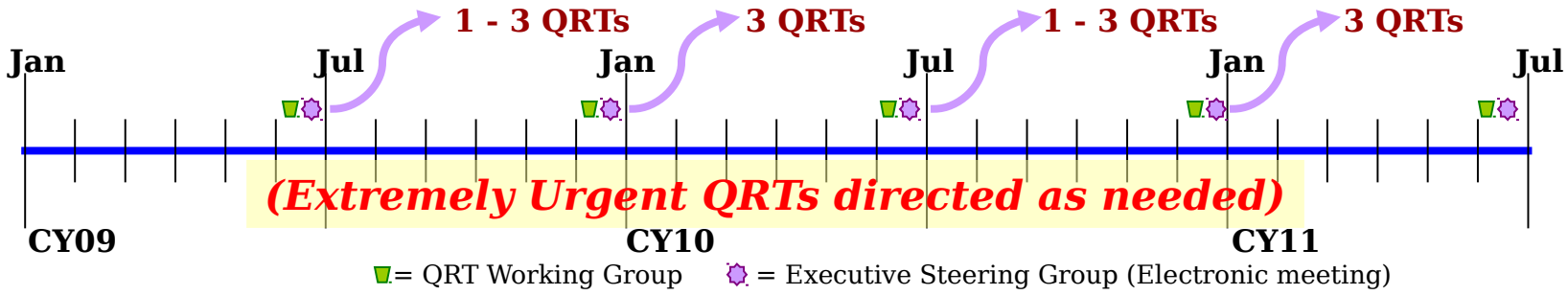
JT&E Program Timeline

Joint Test Annual Cycle



TAB = Technical Advisory Board – Provide technical review of studies
SAC = Senior Advisory Council – Senior Warfighter, Service, OSD group for recommending JFS and Joint Test approval
JFS = Joint Feasibility Study – 7 month study to determine if the test is feasible
Joint Test = DOT&E chartered test activity funded to answer a joint warfighter issue by conducting up to a three-year test and evaluation program

Quick Reaction Test Annual Cycle



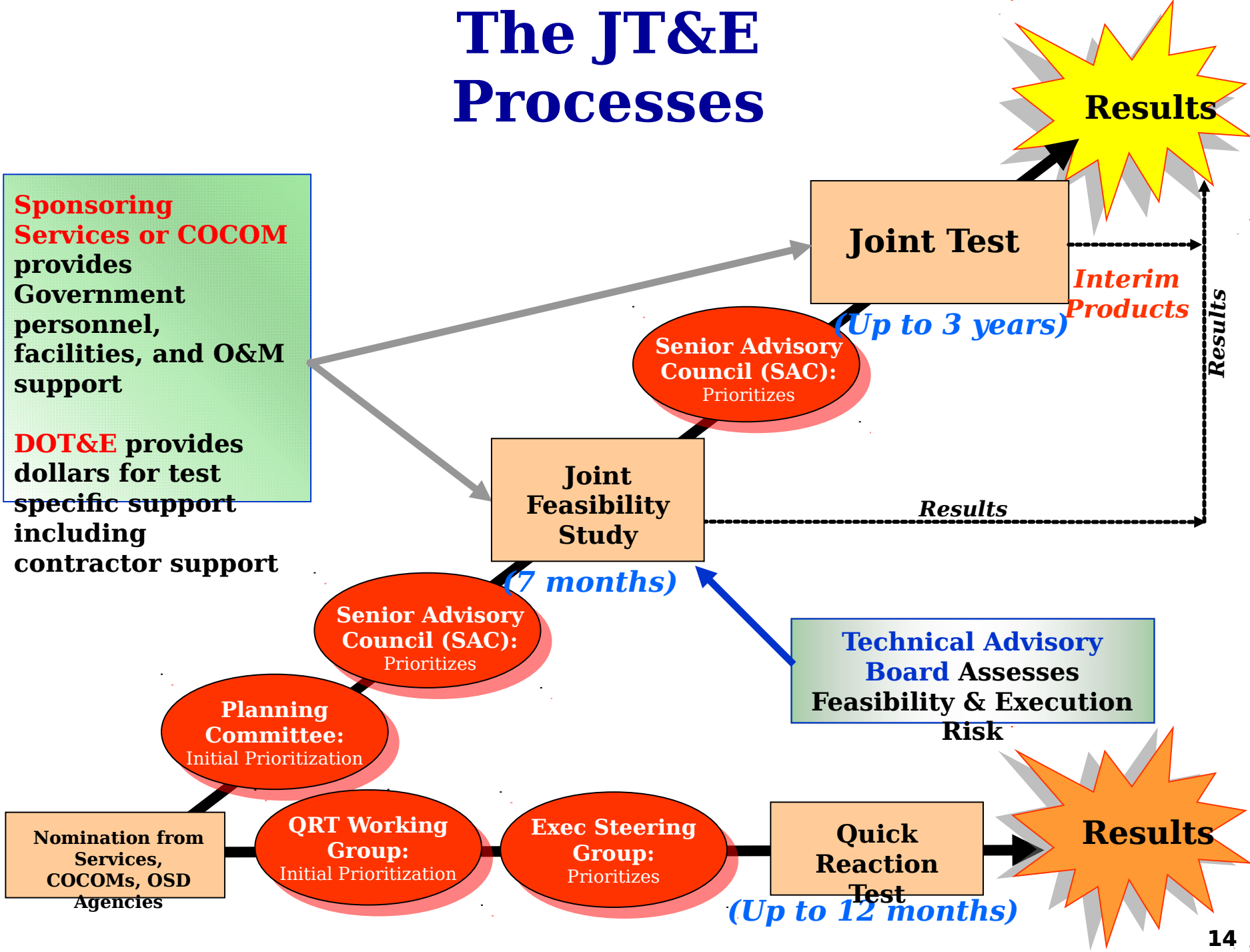
Coordination for Leveraging

- **DOT&E/JT&E is committed to partner with JFCOM**
  - Established JT&E-Suffolk facility near JFCOM
  - Funded liaison efforts for test coordination
  - Coordinating future Joint Tests early with JFCOM J7 Capabilities and Exercise Planners
- **Joint Test projects identify all potential training venues that could support testing**
  - Uses General Officer Steering Committee (GOSC), joint warfighter advisory groups, and coordinates with Operational Test Agencies (OTA) and Service schools to identify potential venues
  - Any COCOM or Service exercise could be a potential test venue
- **Economies of scale for test planning**
  - Each Joint Test is responsible for its individual test planning
  - Multiple projects using the same joint venue will have a JPO representative identified as lead JT&E integrator

Joint Test and Evaluation Program

Review & Approval

The JT&E Processes


Results
Sponsoring Services or COCOM provides Government personnel, facilities, and O&M support
DOT&E provides dollars for test specific support including contractor support
Joint Test
Interim Products
(Up to 3 years)
Results
Senior Advisory Council (SAC): Prioritizes
Joint Feasibility Study
Results
(7 months)
Senior Advisory Council (SAC): Prioritizes
Technical Advisory Board Assesses Feasibility & Execution Risk
Planning Committee: Initial Prioritization
Nomination from Services, COCOMs, OSD Agencies
QRT Working Group: Initial Prioritization
Exec Steering Group: Prioritizes
Quick Reaction Test
(Up to 12 months)
Results

JT&E Advisory Boards

Senior Advisory Council

- **Reviews and recommends nominations for Joint Feasibility Study (January)**
  - Based on Planning Committee recommendations
  - Considers purposes and criteria for nominations
- **Reviews and recommends Joint Feasibility Studies for Joint Tests (August)**
  - Considers operational necessity and technical feasibility

Executive Steering Group

- **Reviews Quick Reaction Test (QRT) nominations and make recommendations for selecting (electronically)**
- **Responsible for management oversight of QRTs**
  - Approves lead OTA for selected QRTs
- **Commits resources to support Quick Reaction Tests planning and execution**

Technical Advisory Board

- **Senior test analysts and scientists from the Services, OSD, and COCOMs**

Planning Committee

- **Action Officers for SAC members**
- **Reviews nominations**
  - Does the nomination meet the purposes of a JT&E?
  - Does the nomination support the Combatant Commands' Integrated Priority Lists?
  - Has the nominating organization committed the necessary resources?
- **Prioritizes nominations**
- **Recommends which nominations should brief the SAC**

Senior Advisory Council

- **Advisory board to DOT&E**
- **Reviews nominations (January SAC meeting)**
  - Based on Planning Committee (PC) recommendations
  - Considers purposes of nominations
  - Recommends priority of nominations for directing as a Joint Feasibility Study
- **Reviews Joint Feasibility Studies (August SAC meeting)**
  - Considers necessity and feasibility (feasibility recommendation from the TAB)
  - Recommends priority for charter as a Joint Test and Evaluation project
- **Reviews completed Joint Tests and Evaluation projects**

Executive Steering Group

- **Advisory board to DOT&E**
- **Decision body for Quick Reaction Test (QRT) nominations**
  - **Group meets as nominations are submitted**
- **Responsible for final vetting and management oversight of QRTs**
- **Commits resources to support Quick Test planning and execution**
- **Approves lead OTA for selected QRTs**
- **Joint Staff and JFCOM vet QRT nominations for urgency and jointness**

Technical Advisory Board

- **Advisory board to the JT&E Program Director**
- **Senior test analysts and scientists from the Services, OSD, and JFCOM**
- **Reviews the progress of Joint Feasibility Studies**
  - Technical issues and feasibility
  - Makes recommendation to the SAC as to technical feasibility
- **Reviews on-going Joint Test and Evaluation projects**
  - Technical progress
  - Technical advice and guidance
- **Conducts meetings in April and July**

Support Structure

Total Program Management Support

- **Provides a well balanced operational test team**
  - The warfighter is the subject matter expert
  - Contractor staff provides operational test expertise
  - Services/COCOMs contribute infrastructure resources and test assets to round out the testing effort
- **Program Management oversight provided by DOT&E/JT&E**
  - Functional guidance in: technical issues, contracting, finance, logistics, personnel, and security
- **Operational guidance from the joint community**
  - Senior Advisory Council recommends chartering based on joint need
  - General Officer Steering Committee represents the warfighting community and provides direct guidance and feedback to Joint Tests

Warfighter participation is critical to finding credible and relevant joint solutions

Joint Test and Evaluation Program

Support Structure

Support Structure

Concept

- **JT&E accepts the nominating agency as an expert in the subject area of the proposed issue**
- **Support structure is designed to provide an operational test team which compliments the nominator's expertise**
- **Services partner with JT&E to solve joint interoperability issues in the field**
- **Support structure is designed to stand-up test team, provide support, and disband quickly while maintaining the historical records in the program office**
- **JT&E structure uses the synergy, expertise,**

Support Structure

Implementation

- **Program Office provides program management oversight, resources, and guidance on test team structure/approach**
  - Functional guidance in: technical, contracting, financial, logistics, personnel, and security
  - Services align their support with JT&E guidance
- **Services/COCOMs provide government personnel, facilities, and test assets**
- **JT&E provides contract support, travel funding, and test-unique equipment**
- **Oversight and document approval controlled by DOT&E**

Joint Test Support Methodology

…Full Service Support to Quickly Stand Up and Conduct a Joint Test

Nominator
Relevant Joint Issue Needing a Solution
Sponsor
COCOM, Service, OSD Agency
JT&E Program Office
Contracting, Funding, Logistics, Personnel, Security
JT&E and the Sponsor provide the tools for the Joint Test team to solve the problem
Warfighter Solutions
TTPs, Doctrine, Architectures, Methodologies

Joint Test Team Support

Sponsor Support
- Subject Matter Expertise
- Personnel
- Facilities
- Test Assets

Contracting
- Task Award
- Task Funding
- Task Management
- Task Closeout

SCI Security
- NAG issue clearance
- Manage SCI Billets
- SCIF
- Secure Equipment Management

Financial
- Funding Unique Test Cost
- Government Travel
- Government Purchase Cards
- Funding Documents
- Financial Management

Technical
- Document Approval
- Technical Advisory Boards
- Joint Test Support Cell
- Action Officer Support

Logistics
- Property Acquisition
- Property Accountability
- Property Disposition
- Test Site Liaison

Personnel
- Efficiency reports
- Awards
- Promotion Boards

Joint Test and Evaluation Program

Current Projects

Joint Test and Evaluation Program

Notable Accomplishments

Recent Successes

JT&E has conducted several projects directly linked to supporting Operations Iraqi Freedom and Enduring Freedom. Recently completed projects are listed with the sponsor, year started, and a synopsis.

- **Joint Survivability QRT:** U.S. Army T&E Command: (2003) Developed and delivered convoy survivability procedures to CENTCOM to minimize combat casualties.
- **Joint Forward Operations Base Force Protection QRT:** U.S. Army Engineering Research & Development Center: 2005: Found solutions and provided recommendations to the Services to mitigate the threat of rockets, artillery, and mortars as well as vehicle-borne IEDs on forward operations bases in Iraq.
- **Joint Counter Remote Control Improvised Explosive Device Electronic Warfare QRT**: Joint IED Defeat Task Force: 2006: Training handbook for Service, multi-Service and joint training on and operational use of CREW equipment.
- **Joint Sniper Defeat QRT:** U.S. Army Infantry Center: 2007: Handbook provides standardized guidelines for counter sniper actions using all available technology and counter measures.
- **Joint Combat Outpost Force Protection QRT:** CENTCOM: 2008: Handbook provides standardized guidelines for force protection at combat outposts.
- **Joint Base Expeditionary Targeting Surveillance System-Combined**

Notable Success Stories

- **Identification Friend, Foe, or Neutral (78-89) -** Theater Air Command and Control Simulation Facility (TACCSF) was the initial legacy. USAF's Distributed Mission Operations Center (DMOC) is the legacy today.
- **Joint Live Fire (JLF) (84-91) -** JLF continues today in DOT&E as the Live Fire T&E Directorate.
- **Joint Electromagnetic Interference (JIMI) (88-91) -** Institutionalized in Electromagnetic Compatibility Analysis Center (ECAC), which is now the Joint Spectrum Center (JSC).
- **Joint Air Defense Operations/Joint Engagement Zone (90-95) -** Institutionalized in All Service Combat Identification and Evaluation Team (ASCIET). ASCIET restructured to Joint Combat Identification and Evaluation Team (JCIET) under JFCOM.
- **Joint Close Air Support (JCAS) (97-03) -** Combined with JCIET under JFCOM to become Joint Fires Integration and Interoperability Team (JFIIT).
- **Joint Theater Distribution (JTD) (98-02) -** Transitioned as a standing organization in Defense Logistics Agency (DLA).
- **Joint Global Positioning System Combat Effectiveness (JGPSCE) (99-04) -** continues today as the Joint Navigation Warfare Center under STRATCOM
- **Joint Datalink Information Combat Execution (JDICE) (03-06) -** Transitioned to Joint Digital Integration for Combat Engagement (JDICE) for the

Joint Test and Evaluation Closing Shots

- More than a quarter century legacy of <u>support to the warfighters</u>
- On the leading edge of developing new tactics, techniques, and procedures
- Making fielded military systems more effective in joint operations
- Continually reviewing internal processes to be more responsive to the warfighters' needs
- The JT&E Program is managed by DOT&E, but
  es active participation and support c
  es, OSD Agencies, Joint Staff, and CC

www.jte.osd.mil

Additional Details

Details

Quick Reaction Test Process

- **Nominations generated from a variety of sources**
  - QRTs can be nominated at any time from COCOMs, Joint Staff, Services, JFCOM, and OSD
  - Pop-up, “hot” warfighter issues are vetted through an accelerated review process
  - Review process completed within 30 calendar (submission-to-approval)
  - All other QRT nominations vetted through “quarterly” review cycle
- **Nominations reviewed for scope and feasibility**
  - Program Office and Joint Test Support Cell (JTSC) actively review
  - Joint Staff and USJFCOM evaluate for jointness and urgency
- **Executive Steering Group (ESG) meets as**

Details

Joint Test Process

- **Process starts with “Call for Nominations” letter**
  - Letter published in March
- **Nominations generated from a variety of sources**
  - COCOMs, Joint Staff, Services, OSD, and other agencies
- **Planning Committee (PC) meets in November to review and recommend nominations**
  - Nominations reviewed for scope and feasibility
  - PC members represent SAC member agencies and have equal vote
- **Senior Advisory Council (SAC) meets in January to recommend DOT&E directing of Joint Feasibility Studies**

Details

Joint Test Process

(Continued)

- **Joint Feasibility Study (JFS)**
  - Seven month effort, lead by a Service or COCOM
  - Resolve two basic issues: Is a JT&E necessary? Is a JT&E feasible?
  - Technical Advisory Board (TAB) reviews and mentors JFS
  - Develop Program Master Plan and Consolidated Resource Estimate
  - Joint Test Support Cell (JTSC) and JFCOM Liaison assistance provided
- **Senior Advisory Council (SAC) meets in August to recommend charter**
- **Chartered Joint Test**
  - Up to three-year test effort to answer the “Problem Statement”
  - Service or COCOM lead; sponsor provides infrastructure
  - DOT&E funds contract support and test unique requirements
  - Products focus on customer requirements